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Winter Triticale Variety Test

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Abstract
Twelve varieties were included in the 2006 winter triticale variety test at Crawfordsville. Each variety was sown in three different plots to average out the effects of soil variability. The varieties were planted September 27, 2005 at a rate of 1½ bushels/acre. All winter triticale plots were harvested on July 10.

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Materials and Methods

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Results and Discussion

Winter triticale yields averaged 122.3 bushels/acre in 2006, which is 31.8 bushels/acre more than the long-term average (Table 1). NE426GT was the highest yielding line based on the long-term average while Décor had the highest test weight across all locations for the lines that were tested in 2006.

Additional information on barley variety tests in the state can be found in the publication, "Iowa Crop Performance Tests—Winter Wheat and Winter Triticale, 2006," which is available from county extension offices (Pm-1645) and at www.public.iastate.edu\~jjannink\.

Table 1. Performance of winter triticale varieties tested at Crawfordsville in 2006.

	Yield				
Variety	2006	Long-term average	Test weight[1] (lb/bu)	Heading date[2] (May)	Plant height[3] (in.)
Alzo	125.5	92.5	51.1	26.0	37.9
Arapahoe[4]	104.9	83.7	58.2	26.0	33.8
Danko Presto	125.1	89.6	54.4	22.4	40.3
Décor	121.0	86.5	56.9	20.4	38.8
Kitaro	134.9	96.2	55.8	23.0	36.1
Lamberto	119.5	90.0	53.8	25.0	38.1
NE422T	114.9	89.2	54.1	29.3	48.2
NE426GT	131.3	102.6	53.8	22.7	39.3
Pika	113.4	72.0	54.7	34.8	51.3
Sorento	129.6	93.6	52.8	24.7	38.4
Trical 336	123.9	85.4	53.8	23.0	40.4
Trical 815	121.3	92.8	53.6	23.7	40.3
Vero	125.1	94.3	53.2	24.0	41.2
Average	122.3	90.5	54.3	25.0	40.3
LSD(0.05)[5]	12.5	12.9	2.5	3.2	4.3

[1]Test weight–average from three sites.
[2]Data collected at Ames only recorded as date after May 1.
[3]Height–measured at Ames.
[4]Arapahoe–winter wheat variety used as a check.
[5]LSD=least significant difference. When entries differ by an amount equal to one LSD or more, they are considered to be in different classes with 95% certainty.